

Tuesday, January 10, 2017 9:23:46 AM

Page 1

100				
100	PURCHASING	0.00		DAS 13 9-59
Purchasing	Memo	0.00	<u>50</u>	<u>JAN 10 2017</u>
Purchasing	Issue P/O: <u>34888</u>			
	Purchase part #: 9273K43			
	Supplier: MC MASTER CARR			
	Material release note is required			
110	Receive & Inspect for Damage & Mat'l Certs	0.00		
110			<u>50</u>	<u>SP 17-01-13</u>
Packaging	Memo	0.17		
Packaging	Ensure material release note is attached			
120	QC6- Inspect dimensions to drawing	0.00		
120			<u>50</u>	DAS 38 9-59
QC	Memo	0.00		<u>JAN 16 2017</u>
Quality Control				

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

155188

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17/01/18 

MF
17-1-17

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : ☐									

Picklist Print

Tuesday, January 10, 2017 9:23:49 AM

Page 1

Work Order ID: 155188

155188

Parent Item: D4730

D4730

Parent Item Name: Velcro Hook & Loop

Start Date: 1/12/2017

Required Date: 1/25/2017

Start Qty: 50.00

Required Qty: 50.00

Comments: IPP REV:A 12.11.09 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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9273K43

Purchased

No

f

0.0000

50

9273K43

Velcro Hook & Loop Color: Black

**

50x 8017-01-B

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

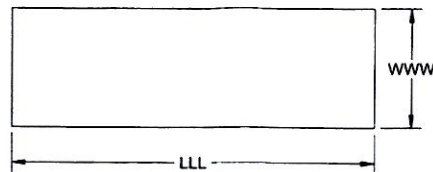
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
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Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐		
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____					
Misidentified ☐	Past Due ☐						

SPECIFICATION CONTROL DRAWING



WHERE WWW = WIDTH IN INCHES (IN TENTHS OF INCH)
LLL = LENGTH REQUIRED (IN TENTHS OF INCH)

EG: 2.0 WIDTH x 3.5" LONG VELCRO STRIP: D4730-020-035
0.75 WIDTH x 15.2" LONG VELCRO STRIP: D4730-008-152

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 155188 MJC

17-01-10

DART PART NUMBER	DESCRIPTION	MATERIAL	POSSIBLE VENDOR	MAKE FROM VENDOR PART NUMBER	LENGTH (ft)	COLOR
D4730-WWW-LLL	GENERAL PURPOSE HOOK + LOOP	NYLON (ADHESIVE BACK)	McMASTER-CARR	9273K16 9273K23 9273K29 9273K36 9273K43 9273K48	5 10 15 30 50 75	BLACK

D4730-WWW-LLL VELCRO STRIP

NOTES:

- 1) MATERIAL: PER TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: PER QSI 044 6.7
- 7) WEIGHT: N/A

RELEASED
2013-01-30

B	ADD COLOR (ZN B2-1)	RF	12.11.30
A	NEW ISSUE	RF	12.07.25
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	D4730	SHEET 1 OF 1
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	VELCRO STRIP	NTS
DATE	12.11.30	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR DISCLOSED OR COMMERCIALIZED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34888**

Purchase Order Date 1/10/2017

PO Print Date 1/10/2017

Page Number 2 of 7

Order From :
MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 330 995 5500

Ship To Contact
Ship To Phone
Ship Via: Purolator ground ppd
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 10
Currency USD
FOB FCA - (Free Carrier)

Line Total: **\$9.07**

7 9273K43

DAS
38
9-89

Velcro Hook & Loop
Color: Black

1/12/2017

Yes
1/12/2017

50.00

Each

\$2.10

\$105.21

AS PER DWG D4730 REV. B
B155188

SP17-01-13.

Line Total: **\$105.21**

8 71500-20

4066A46 HOLE SAW
2.875"

1/12/2017

Yes
1/12/2017

1.00

Each

\$9.55

\$9.55

Line Total: **\$9.55**

Deliver To: SYLVIE

9 71500-20

4066A79 ARBOR

1/12/2017

Yes
1/12/2017

1.00

Each

\$10.88

\$10.88

Note:

1/10/2017



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO34888
Order Placed By
Chantal Lavoie

McMaster-Carr Number
5447321-02

Page 1 of 2

01/10/2017

Line	Product	Ordered	Shipped
1	59915K274 PTFE-Lined Stainless Steel Ball Joint Rod End 3/8"-24 RH Male Shank, 3/8" Ball ID, 1-1/4" Long Thread Your Part Number: YOUR LINE 4	10 Each	10
2	90145A630 18-8 Stainless Steel Dowel Pin 3/8" Diameter, 1-3/4" Length, Packs of 5 Your Part Number: YOUR LINE 5	1 Pack	1
3	90289A352 Alloy Steel Knurl-Grip Cup Point Set Screw 1/4"-28 Thread, 5/16" Long, Packs of 50, Shipping 1 Pack of 50 To Meet Your Need For 10 Ea Your Part Number: YOUR LINE 6	1 Pack	1
4	9273K43 General Purpose Nylon Hook and Loop 2" Width x 50' Length, Adhesive Back, Black Your Part Number: YOUR LINE 7	1 Each	1
5	4066A46 Hole Saw 1-1/2" Cutting Depth, 2-7/8" Diameter Your Part Number: YOUR LINE 8, FOR SYLVIE	1 Each	1
6	4066A79 Arbor with 3/8" Hex for 1-1/4" to 8" Hole Saw Your Part Number: YOUR LINE 9, FOR SYLVIE	1 Each	1
7	6309K34 Versa-Mount Vibration-Damping Mount 130 lb. Compression Capacity, 1.94" Overall Height Your Part Number: YOUR LINE 10, FOR DARYL	16 Each	16
9	5039A51 Quick-Grip Bar Clamp 6" Maximum Opening, 140 lb. Holding Capacity Your Part Number: YOUR LINE 12, FOR SYLVIE	4 Each	4
10	7579A42 6 oz. Empty Cartridge for Single-Component Dispensing Gun Your Part Number: YOUR LINE 13, FOR SYLVIE	12 Each	12
11	6830A13 Quick-Read Tape Measure 25 Feet Length Lacquer-Coated Steel Blade Your Part Number: YOUR LINE 14, FOR ERIC D	12 Each	12
12	5549A22 1/2" Square Drive Impact Socket 6-Point Standard, 3/4" Size, 1-1/2" Overall Length, Black Your Part Number: YOUR LINE 15, FOR ERIC L	1 Each	1
13	53525A41 3/4" Square Drive Hex-Bit Impact Socket Hex Bit, 1/2" Size, 3-15/16" Overall Length, Black Finish Your Part Number: YOUR LINE 16, FOR ERIC L	1 Each	1
14	45695K13 Easy-Clean Valve for Chemicals On/Off Function, 3/8 NPT Female Your Part Number: YOUR LINE 17, FOR ERIC L	1 Each	1
15	5225K722 Push-to-Connect Tube Fitting for Air Swivel 90 Degree Elbow for 6mm Tube OD x 1/8 NPT Male Your Part Number: YOUR LINE 18, FOR ERIC L	2 Each	2
16	3814A31 8-Segment Steel Breakaway Blade, Packs of 10 Your Part Number: YOUR LINE 19, FOR CHANTAL	10 Packs	10
17	7701K34 Button/Coin Cell Battery Lithium, Size CR2032 Your Part Number: YOUR LINE 20, FOR CHANTAL	24 Each	24
18	7604K83 Button/Coin Cell Battery Silver Oxide, Size SR44, 160 MA-Hrs. Capacity Your Part Number: YOUR LINE 21, FOR CHANTAL	24 Each	24

DAS
38
20

SP17-01-B

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO34888

Order Placed By
Chantal Lavoie

McMaster-Carr Number
5447321-02

Page 2 of 2

01/10/2017

Shipped separately from our Chicago warehouse on 01/10

19	8841A21	Multi-Diameter Step Drill Bit High-Speed Steel, 13 Sizes, 1/8"-1/2", 1/4" Shank Diameter, 1/8" Maximum Thickness	6 Each	6
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Expected to ship

8	8492A999	Press-Fit Drill Bushing with Head, 1/2" OD, 1/2" Length, 0.3160 ID	4 Each	4 Jan 16
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Notes about your shipment

The U.S. Department of Transportation regulates the shipping of lines 17 and 18. By purchasing from McMaster-Carr Supply Company, you agree not to transport or permit others to transport purchased items except in accordance with U.S. law and any other applicable laws.

SP17-01-13